

SEQUENCE LISTING

<110> POLYPHOR AG et al.

<120> Synthesis of Template-Fixed beta-Hairpin Loop Mimetics

<130> P507PCT

<140> PCT/EP99/06369

<141> 1999-08-30

<160> 73

<170> PatentIn Ver. 2.1

<210> 1

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Key Sequence

<400> 1

Val Arg Lys Lys

1

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Key Sequence

<400> 2

Lys Lys Tyr Leu

1

<210> 3

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Key Sequence

<400> 3

Trp Leu Asp Val

1

<210> 4

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Key Sequence

<400> 4

Tyr Ile Arg Leu Pro

1

5

<210> 5

<211> 5

<212> PRT

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<220>

<223> Description of Artificial Sequence:Key Sequence

<400> 5

Tyr Ile Gly Ser Arg

1

5

<210> 6

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Key Sequence

<400> 6

Ile Lys Val Ala Val

1

5

<210> 7
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 7
Pro Pro Arg Xaa Xaa Trp
1 5

<210> 8
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Key Sequence

<300>

<400> 8
Ile Tyr Tyr Lys Asp Gly Ala Leu Lys Tyr
1 5 10

<210> 9
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Peptide
Fragment

<400> 9
Val Lys Asn Tyr Gly Val Lys Asn Ser Glu Trp Ile
1 5 10

<210> 10
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide
Fragment

<400> 10
Val Lys Asn Tyr Gly Val Lys Asn Ser Glu Trp Thr
1 5 10

<210> 11
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Peptide
Fragment

<400> 11
Gly Arg Gly Asp
1

<210> 12
<211> 4
<212> PRT
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<220>
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<400> 12
Arg Gly Asp Gly
1

<210> 13
<211> 5
<212> PRT
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<220>
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<400> 13
Phe Tyr Thr Gly Thr
1 5

<210> 14
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
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Fragment

<400> 14
Tyr Arg Asp Ala Met
1 5

<210> 15
<211> 6
<212> PRT
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<220>
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<400> 15
Asn Thr Tyr Ser Gly Val
1 5

<210> 16
<211> 6
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Peptide
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<400> 16

Trp Asp Asp Gly Ser Asp
1 5

<210> 17

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Peptide
Fragment

<400> 17

Leu Trp Tyr Ser Asn His Trp Val
1 5

<210> 18

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Peptide
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<400> 18

Ala Asn Pro Asn Ala Ala
1 5

<210> 19

<211> 4

<212> PRT

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<220>

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Fragment

<400> 19

Ala Arg Gly Asp

1

<210> 20

<211> 8

<212> PRT

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<223> Description of Artificial Sequence:Peptide
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<400> 20

Val Ala Ala Phe Leu Ala Leu Ala

1

5

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Fragment

<400> 21

Arg Gly Asp Val

1

<210> 22

<211> 4

<212> PRT

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<220>

<223> Description of Artificial Sequence:Peptide
Fragment

<400> 22
Ala Thr Val Gly
1

<210> 23
<211> 6
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Fragment

<400> 23
Glu Arg Gly Asp Val Tyr
1 5

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Fragment

<400> 24
Ile Ala Arg Gly Asp Phe Pro Asp
1 5

<210> 25
<211> 12
<212> PRT
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<220>
<223> Description of Artificial Sequence:Peptide
Fragment

<400> 25
Ala Arg Ile Ala Arg Gly Asp Phe Pro Asp Asp Arg
1 5 10

<210> 26
<211> 6
<212> PRT
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<400> 26
Ala Arg Gly Asp Phe Pro
1 5

<210> 27
<211> 4
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Fragment

<400> 27
Arg Gly Asp Phe
1

<210> 28
<211> 10
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Fragment

<400> 28
Arg Ile Ala Arg Gly Asp Phe Pro Asp Asp
1 5 10

<210> 29
<211> 4
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<220>
<223> Description of Artificial Sequence:Peptide
Fragment

<400> 29
Gly Gly Ala Gly
1

<210> 30
<211> 4
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Peptide
Fragment

<400> 30
Gly Asp Gly Gly
1

<210> 31
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Protected
Peptide Fragment

<220>
<223> residues 1 and 2 are Lys(Boc); residue 5 is D-Pro;
residue 7 is Glu(OtBu); residue 10 is Arg(Pmc)

<400> 31
Xaa Xaa Pro Ile Xaa Pro Xaa Ile Val Xaa
1 5 10

<210> 32
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<220>
<223> residue 10 is D-Pro

<400> 32
Pro Glu Ile Val Arg Lys Lys Pro Ile Xaa
1 5 10

<210> 33
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 33
Pro Glu Tyr Val Arg Lys Lys Tyr Ile Xaa
1 5 10

<210> 34
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 34
Pro Glu Trp Val Arg Lys Lys Trp Ile Xaa

1

5

10

<210> 35

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 35

Pro Glu Ala Val Arg Lys Lys Ala Ile Xaa

1

5

10

<210> 36

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 36

Pro Glu Ser Val Arg Lys Lys Ser Ile Xaa

1

5

10

<210> 37

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 2 is Glu, Tyr, Trp, Ala; residue 3 is Ile,
Tyr, Trp, Ala, Ser, Lys; residue 8 is Pro, Tyr,
Trp, Ala, Ser, Lys; residue 9 is Ile, Tyr, Trp,
Ala; residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 37

Pro Xaa Xaa Val Arg Lys Lys Xaa Xaa Xaa
1 5 10

<210> 38

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 38

Pro Glu Lys Val Arg Lys Lys Ile Lys Xaa
1 5 10

<210> 39

<211> 10

<212> PRT

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<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 39

Pro Tyr Ile Val Arg Lys Lys Pro Tyr Xaa
1 5 10

<210> 40

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 40

Pro Tyr Tyr Val Arg Lys Lys Tyr Tyr Xaa
1 5 10

<210> 41

<211> 10

<212> PRT

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<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 41

Pro Tyr Trp Val Arg Lys Lys Trp Tyr Xaa
1 5 10

<210> 42

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<220>

<223> residue 10 is D-Pro

<400> 42

Pro Tyr Ala Val Arg Lys Lys Ala Tyr Xaa
1 5 10

<210> 43

<211> 10
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 <220>
 <223> residue 10 is D-Pro

 <220>
 <223> Description of Artificial Sequence:Cyclic Peptide

<400> 43
 Pro Tyr Ser Val Arg Lys Lys Ser Tyr Xaa
 1 5 10

<210> 44
 <211> 10
 <212> PRT
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 <220>
 <223> residue 10 is D-Pro

 <220>
 <223> Description of Artificial Sequence:Cyclic Peptide

<400> 44
 Pro Tyr Lys Val Arg Lys Lys Lys Tyr Xaa
 1 5 10

<210> 45
 <211> 10
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 <223> residue 10 is D-Pro

 <220>
 <223> Description of Artificial Sequence:Cyclic Peptide

<400> 45
 Pro Trp Ile Val Arg Lys Lys Pro Trp Xaa
 1 5 10

<210> 46
<211> 10
<212> PRT
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<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 46
Pro Trp Tyr Val Arg Lys Lys Tyr Trp Xaa
1 5 10

<210> 47
<211> 10
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<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 47
Pro Trp Trp Val Arg Lys Lys Trp Trp Xaa
1 5 10

<210> 48
<211> 10
<212> PRT
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<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 48

Pro Trp Ala Val Arg Lys Lys Ala Trp Xaa
1 5 10

<210> 49
<211> 10
<212> PRT
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<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 49
Pro Trp Ser Val Arg Lys Lys Ser Trp Xaa
1 5 10

<210> 50
<211> 10
<212> PRT
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<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 50
Pro Trp Lys Val Arg Lys Lys Lys Trp Xaa
1 5 10

<210> 51
<211> 10
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<220>
<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 51

Pro Ala Ile Val Arg Lys Lys Pro Ala Xaa
1 5 10

<210> 52

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 52

Pro Ala Tyr Val Arg Lys Lys Tyr Ala Xaa
1 5 10

<210> 53

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<220>

<223> residue 10 is D-Pro

<400> 53

Pro Ala Trp Val Arg Lys Lys Trp Ala Xaa
1 5 10

<210> 54

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 54

Pro Ala Ala Val Arg Lys Lys Ala Ala Xaa
1 5 10

<210> 55

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 55

Pro Ala Ser Val Arg Lys Lys Ser Ala Xaa
1 5 10

<210> 56

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Key Sequence

<400> 56

Pro Ala Lys Val Arg Lys Lys Lys Ala Xaa
1 5 10

<210> 57

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 1 is Lys; residue 2 is Tyr, Phe, Lys, Trp;
residue 3 is template; residue 4 is Tyr; residue 5
is Glu

<220>

<223> Description of Artificial Sequence:Peptide
Fragment

<400> 57

Xaa Xaa Xaa Xaa Xaa
1 5

<210> 58

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<220>

<223> residue 10 is D-Pro

<400> 58

Pro Tyr Glu Ala Arg Arg Ala Lys Tyr Xaa
1 5 10

<210> 59

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 10 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 59

Pro Tyr Glu Ala Arg Arg Ala Lys Phe Xaa
1 5 10

<210> 60
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 60
Pro Tyr Glu Ala Arg Arg Ala Lys Lys Xaa
1 5 10

<210> 61
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> residue 10 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 61
Pro Tyr Glu Ala Arg Arg Ala Lys Trp Xaa
1 5 10

<210> 62
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> residue 14 is D-Pro

<220>
<223> Description of Artificial Sequence:Cyclic Peptide

<400> 62

Pro Tyr Glu Tyr Ala Lys Arg Arg Glu Ala Tyr Lys Tyr Xaa
1 5 10

<210> 63

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 14 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 63

Pro Tyr Glu Lys Ala Lys Arg Arg Glu Ala Tyr Lys Tyr Xaa
1 5 10

<210> 64

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 14 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 64

Pro Tyr Glu Tyr Ala Lys Arg Arg Glu Ala Lys Lys Tyr Xaa
1 5 10

<210> 65

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 18 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 65

Pro Tyr Glu Tyr Ala Tyr Lys Ala Arg Arg Ala Glu Phe Ala Phe Lys
1 5 10 15

Tyr Xaa

<210> 66

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 18 is D-Pro

<220>

<223> Description of Artificial Sequence:Cyclic Peptide

<400> 66

Pro Tyr Glu Tyr Ala Lys Lys Ala Arg Arg Ala Glu Tyr Ala Lys Lys
1 5 10 15

Tyr Xaa

<210> 67

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 9 is Template fl

<220>

<223> Description of Artificial Sequence:Cyclic
Template-fixed Peptide

<400> 67

Tyr Glu Ala Arg Arg Ala Lys Tyr Xaa
1 5

<210> 68
 <211> 9
 <212> PRT
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 <220>
 <223> residue 9 is Template f1

 <220>
 <223> Description of Artificial Sequence:Cyclic
 Template-fixed Peptide

<400> 68
 Tyr Glu Ala Arg Arg Ala Lys Phe Xaa
 1 5

<210> 69
 <211> 13
 <212> PRT
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 <220>
 <223> residue 13 is Template f1

 <220>
 <223> Description of Artificial Sequence:Cyclic
 Template-fixed Peptide

<400> 69
 Tyr Glu Lys Ala Lys Arg Arg Glu Ala Tyr Lys Tyr Xaa
 1 5 10

<210> 70
 <211> 7
 <212> PRT
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 <220>
 <223> residue 7 is Template b2

 <220>
 <223> Description of Artificial Sequence:Cyclic

Template-fixed Peptide

<400> 70

Tyr Glu Arg Arg Lys Trp Xaa

1

5

<210> 71

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 13 is Template f1

<220>

<223> Description of Artificial Sequence:Cyclic
Template-fixed Peptide

<400> 71

Tyr Glu Phe Ala Lys Arg Arg Glu Ala Tyr Lys Phe Xaa

1

5

10

<210> 72

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 15 is Template b2

<220>

<223> Description of Artificial Sequence:Cyclic
Template-fixed Peptide

<400> 72

Tyr Glu Tyr Ala Tyr Lys Arg Arg Glu Tyr Ala Tyr Lys Tyr Xaa

1

5

10

15

<210> 73

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> residue 13 isTemplate fl

<220>

<223> Description of Artificial Sequence:Cyclic
Template-fixed Peptide

<400> 73

Tyr Glu Tyr Ala Lys Arg Arg Glu Ala Lys Lys Tyr Xaa
1 5 10